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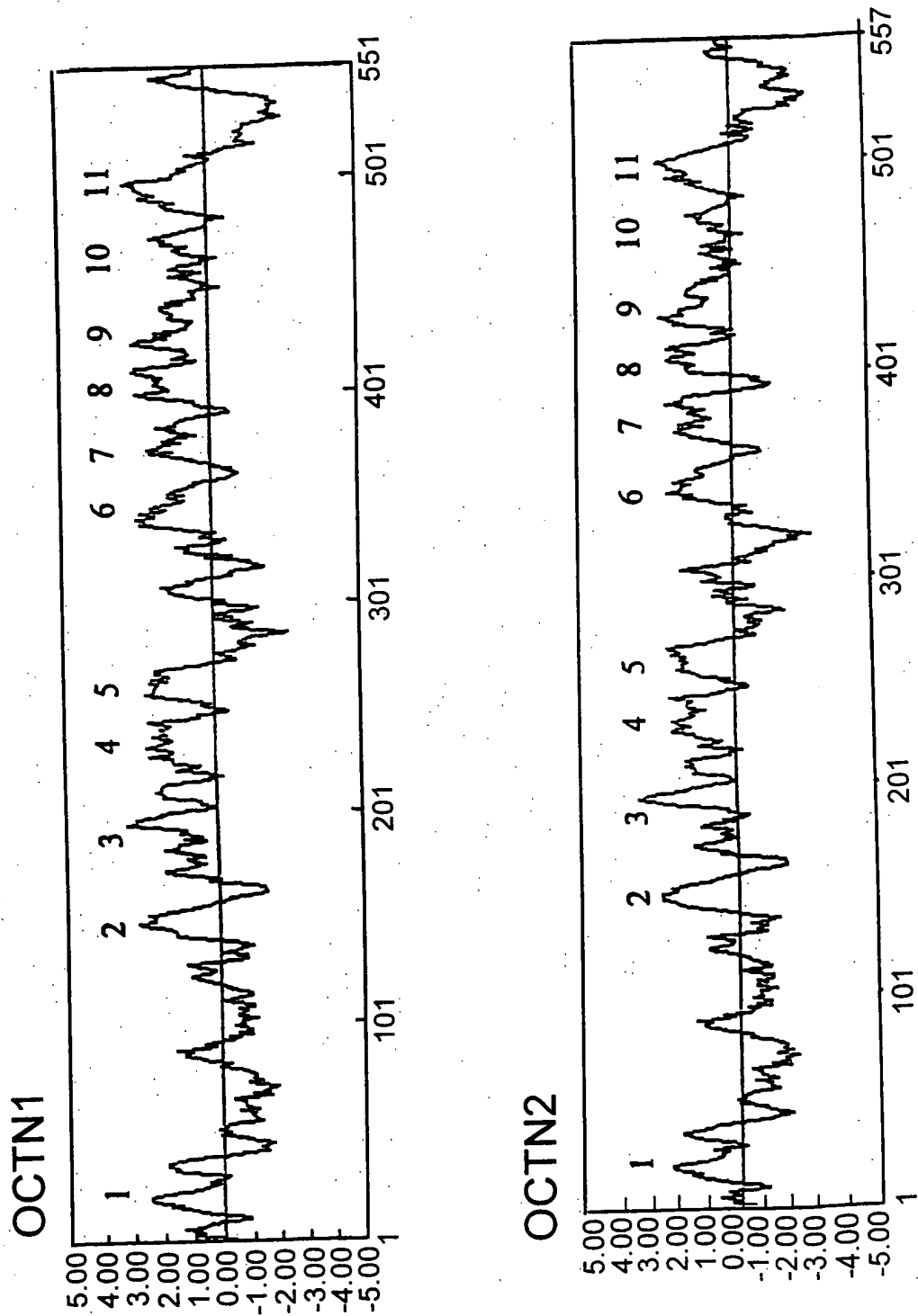
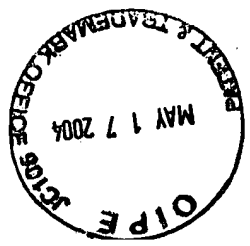


FIG. 1



CELL LINES DERIVED
FROM HUMAN CANCER

HUMAN ADULT TISSUES

HUMAN
FETAL TISSUES

PROMYELOCYTIC LEUKEMIA HL-60
CERVICAL CARCINOMA HeLa S3
CHRONIC MYELOCYTIC LEUKEMIA K-562
LYMPHOBLASTIC LEUKEMIA MOLT-4
BURKITT'S LYMPHOMA RAJI
LARGE INTESTINE ADENOCARCINOMA SW480
LUNG CANCER A549
MELANOMA G361

STOMACH
THYROID GLAND
SPINAL CORD
LYMPH NODE
TRACHEA
ADRENAL GLAND
BONE MARROW

SPLEEN
THYMUS
PROSTATE
TESTIS
UTERUS
SMALL INTESTINE
COLON
PERIPHERAL BLOOD LEUKOCYTE

HEART
BRAIN
PLACENTA
LUNG
LIVER
SKELETAL MUSCLE
KIDNEY
PANCREAS

BRAIN
LUNG
LIVER
KIDNEY

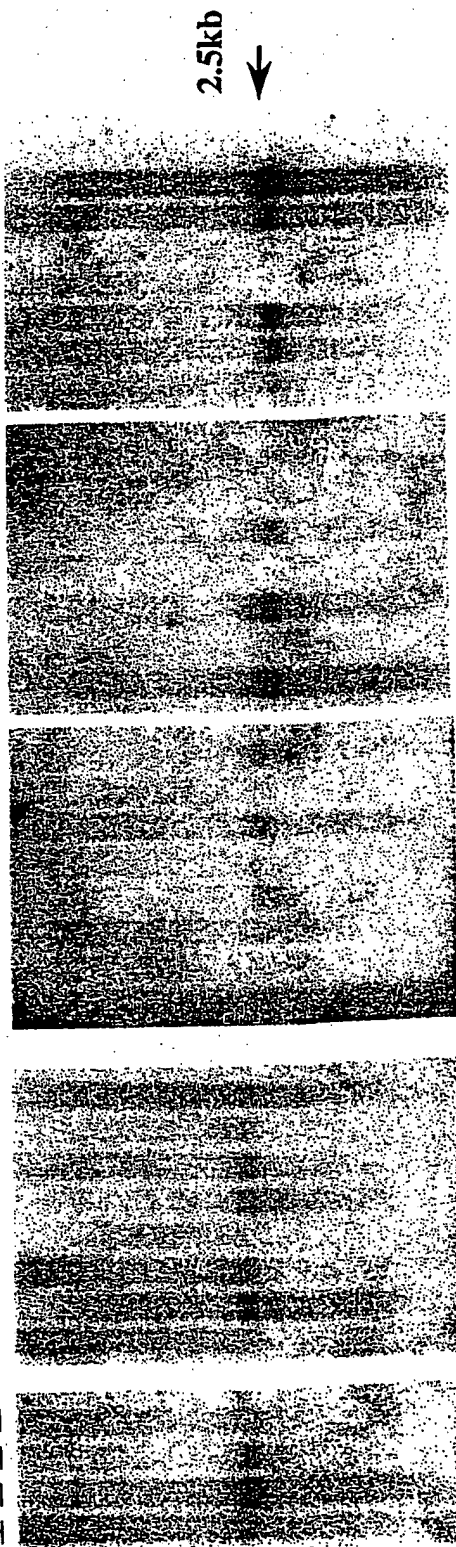


FIG. 2

OCTN1	1	MRDYDEVIAF	LGWGPFORL	IFELLASIT	PNGGIGSM	FLAGTPEHRC	RYPDAANLSS	AWRNISVPLR	LRDGREVPHS	QRYRLATIA	NFSALGLEPG
OCTN2	1	MRDYDEVIAF	LGWGPFORL	IFELLASIT	PNGGIGSM	FLATPEHRC	RYPDAANLSS	AWRNHTVPLR	LRDGREVPHS	QRYRLATIA	NFSALGLEPG
OCTN1	101	RVDVLGOLEQ	ESCLDGWEFS	QDVYLSIMV	ENNLVCEDM	KVPLTISLFF	VGVLGSHFS	GQLSDRFGRK	NVLFAIMAVQ	IGFSFLOIFS	ISWEMFIVLF
OCTN2	101	RVDVLGOLEQ	ESCLDGWEFS	QDVYLSIMV	ENNLVCEDM	KAPLTISLFF	VGVLGSHIS	GQLSDRFGRK	NVLFAIMGMC	IGFSFLOIFS	KNFEMFVLF
OCTN1	201	VLVGMGQISN	YVMAFVLGTE	ILGKSVRIIF	STLGVOIEFA	VGMLPLFA	YFIRDMRMLL	LALIMPGVLC	MPLWNFIPES	PRWLISQGRF	REAEIIOKA
OCTN2	201	VLVGMGQISN	YVMAFVLGTE	ILGKSVRIIF	STLGVOIEFA	FGYMLPLFA	YFIRDMRMLL	VALIMPGVLC	VALWNFIPES	PRWLISQGRF	EEAEVIRKA
OCTN1	301	AKMNTAIPA	VIFDS--VEE	INPLKQOKAF	ILDLFRIRNI	AIMTMSLL	WMLTSVGTHA	ESLDAPNLHG	DAYLNCFLSA	LIEIPAYITIA	WLLURTIPRR
OCTN2	301	AKANGIWPS	TIFDPSQLQD	ESSKQOQSHN	ILDLRIRNI	RMVITMSIM	WMTISVGTHG	ESLDIPNLHG	DIFVNCFLSA	MVEIPAYVIA	WLLQYLPRR
OCTN1	399	VIJAAVLEMG	GGVLLFIOLV	PVDVFTLSIG	LVMGKEGII	SAFSMIVVFI	AELYPTIVRN	MAVGISTAS	RNGSIIAPYE	VYLGAYNRM	PYIMGSLIV
OCTN2	401	YSMAIALELG	GSVLLFMOLV	PPDLVYCATV	LVMGKFGMI	MAFSMIVVMI	AELYPTIVRN	MAVGSSSTAS	RIGSILSPYE	VYLGAYRFL	PYILMGSLII
OCTN1	499	QIGFTLFFP	ESLGVTLPET	LEQYOKWJF	RSGK---TR	DSMETEENPK	VJ-ITAF	551			
OCTN2	501	QTAITLFLP	ESFGTLPED	IDQVLRKGM	KHRSTPSHTR	MLKDGQERT	IKSTAF	557			

FIG. 3

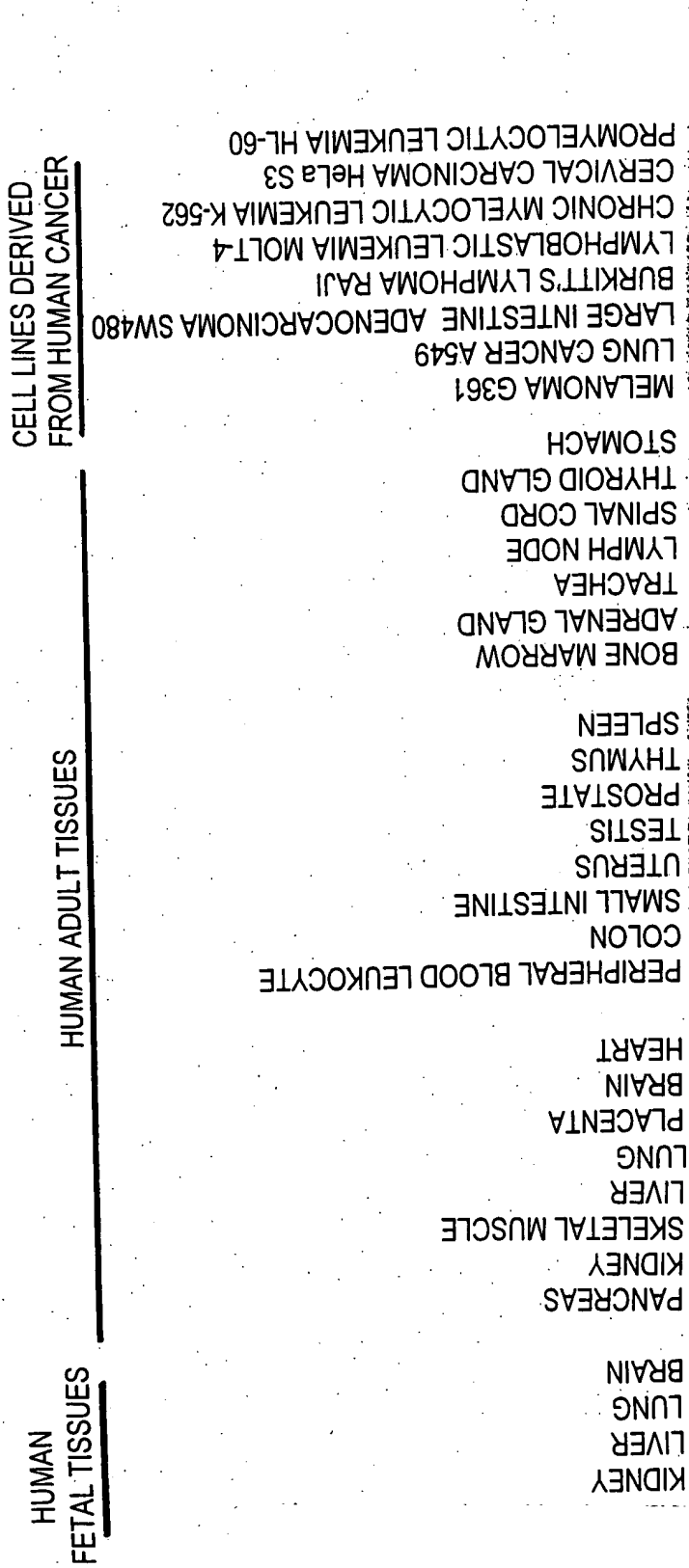


FIG. 4

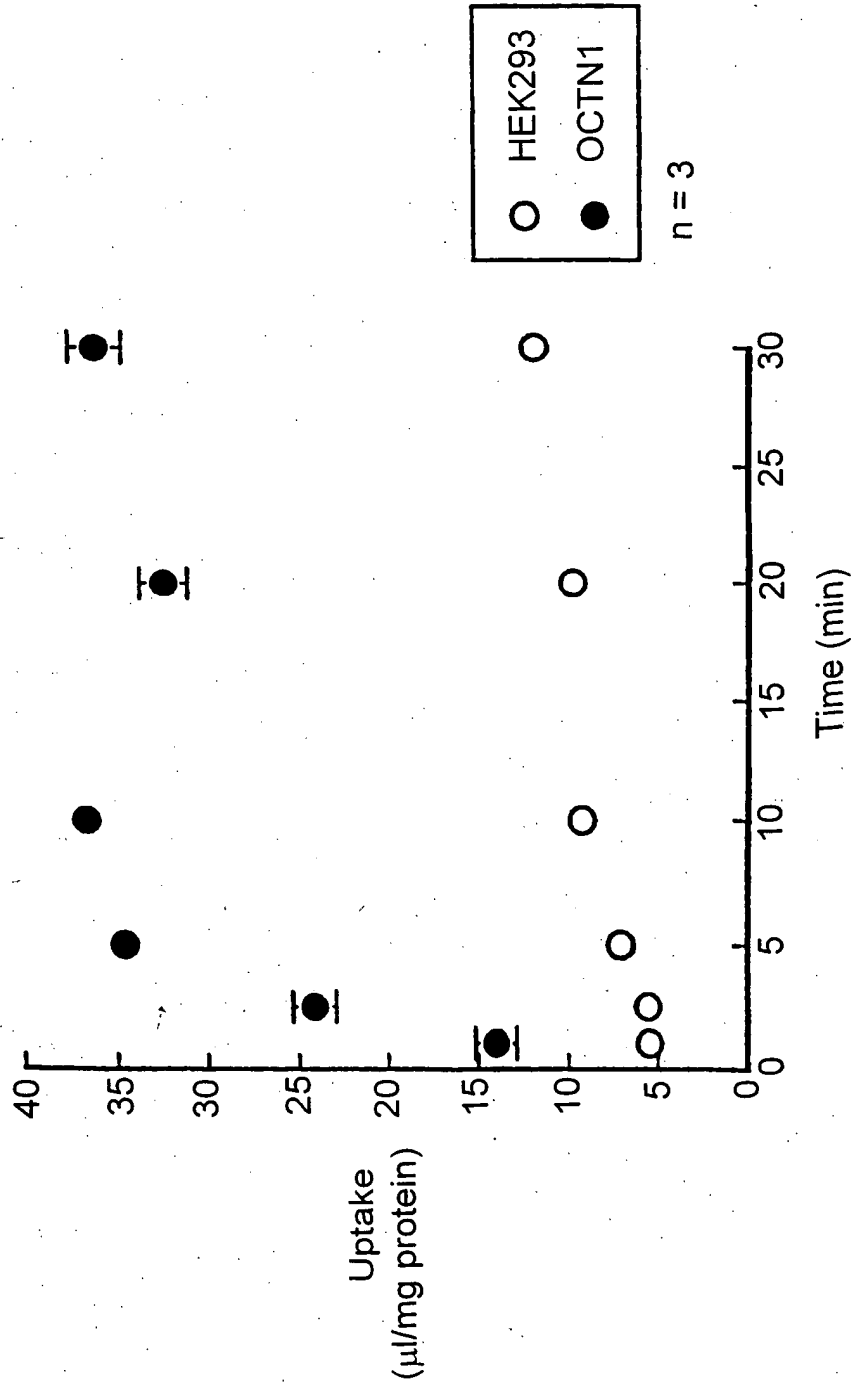


FIG. 5

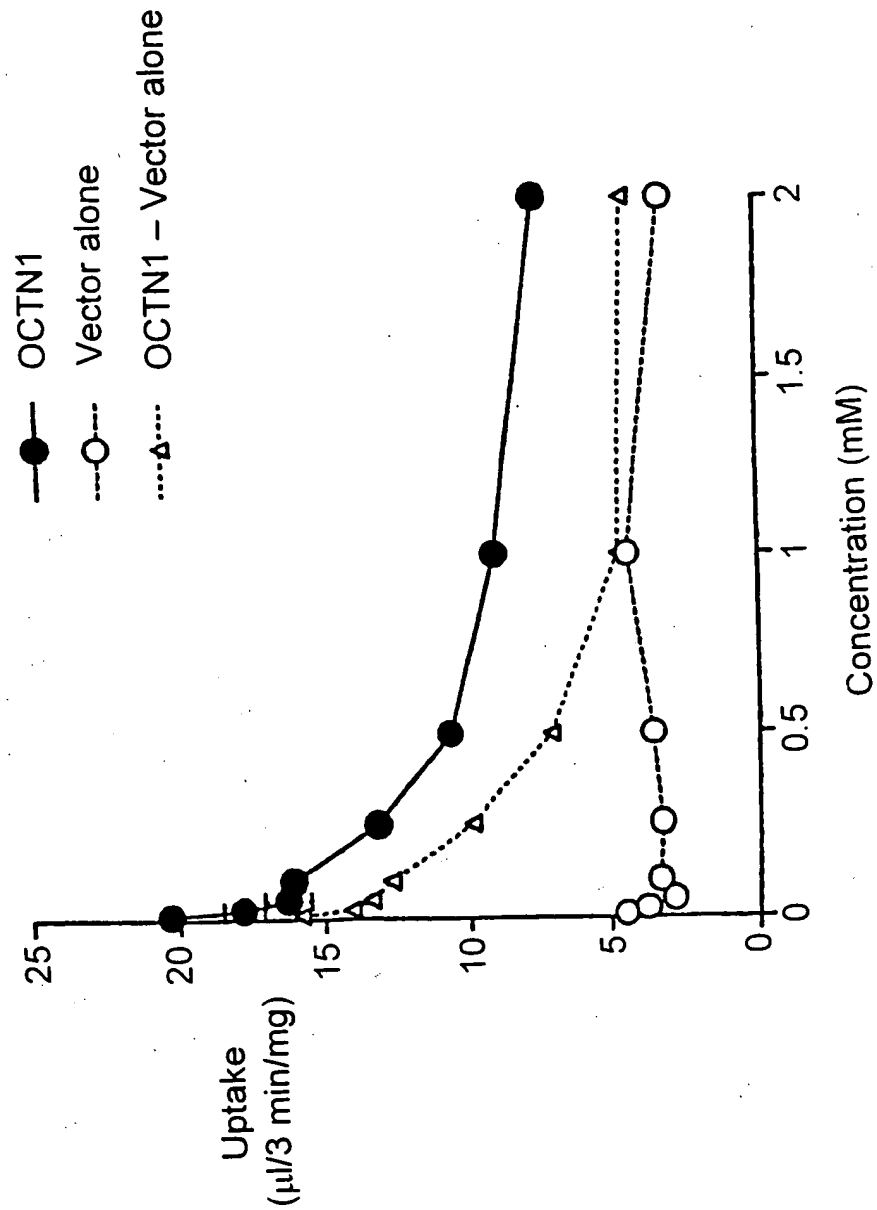


FIG. 6

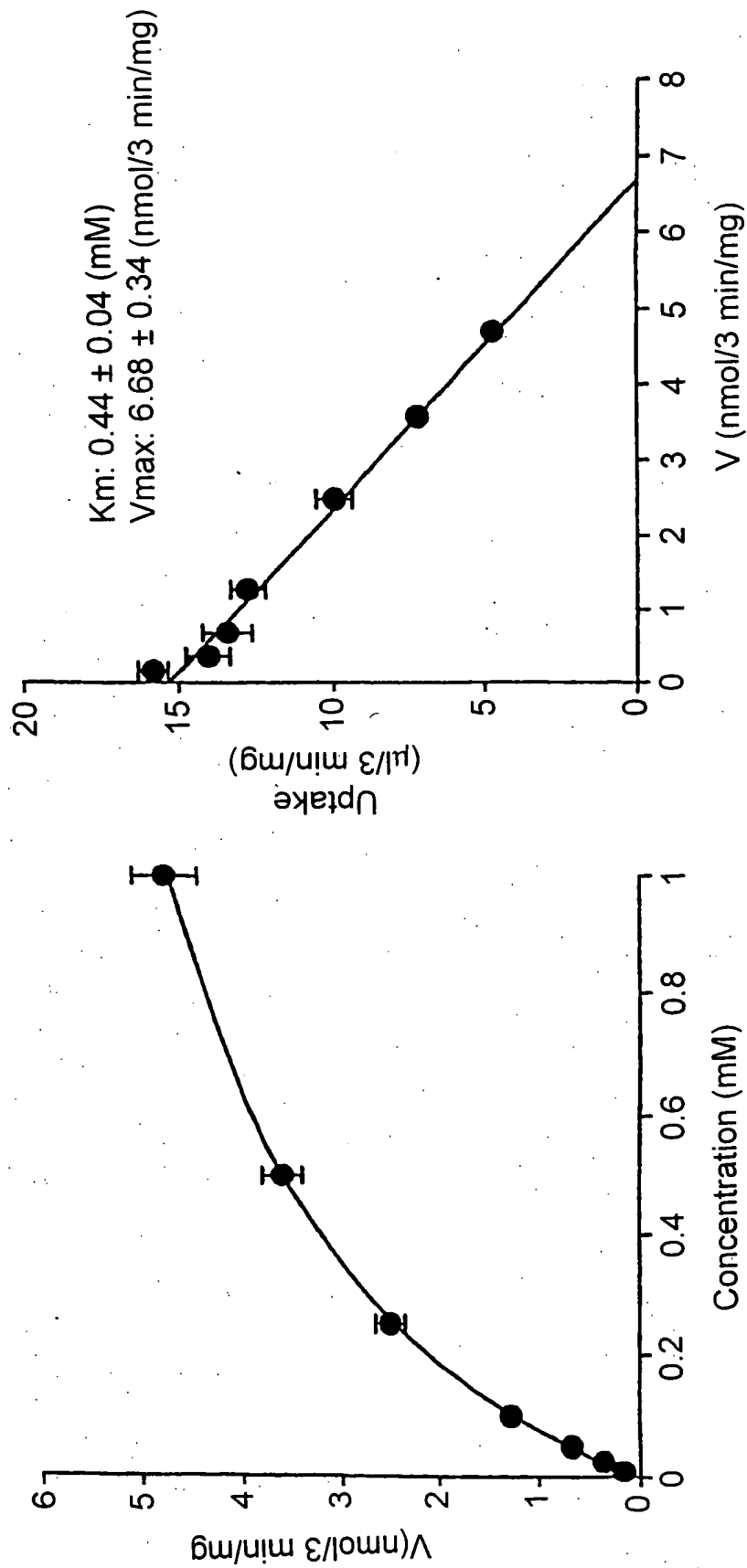


FIG. 7

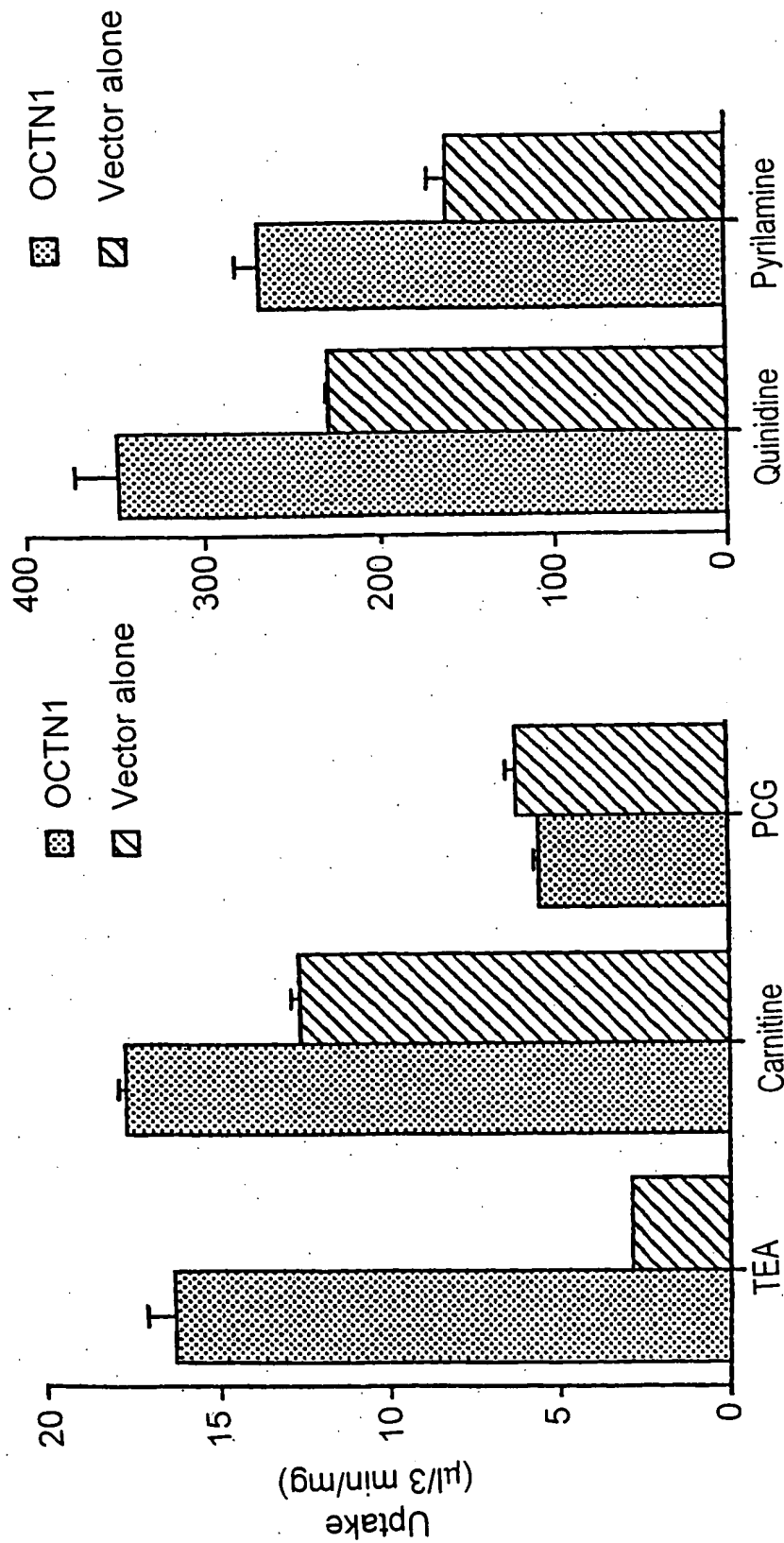


FIG. 8

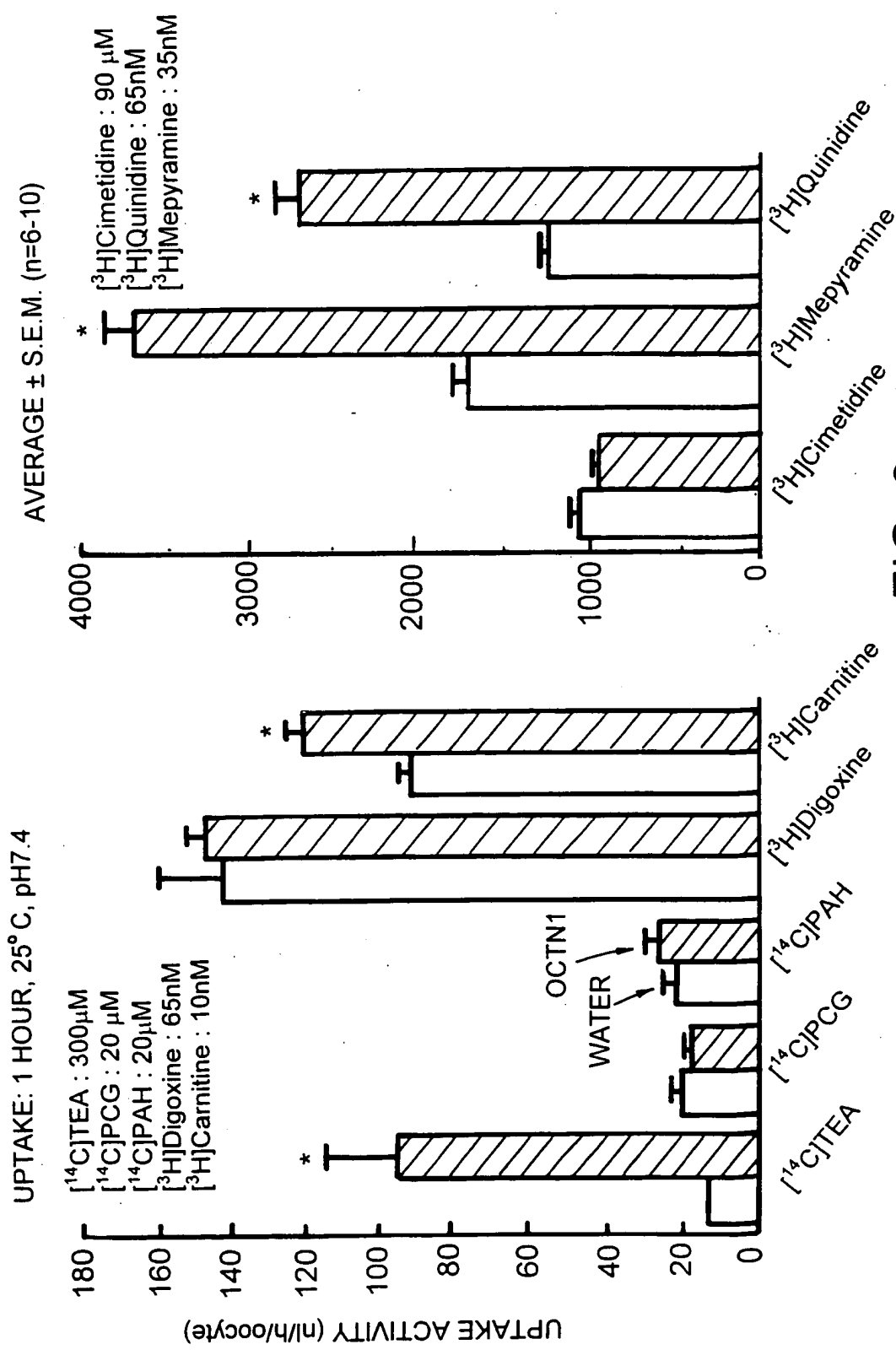


FIG. 9

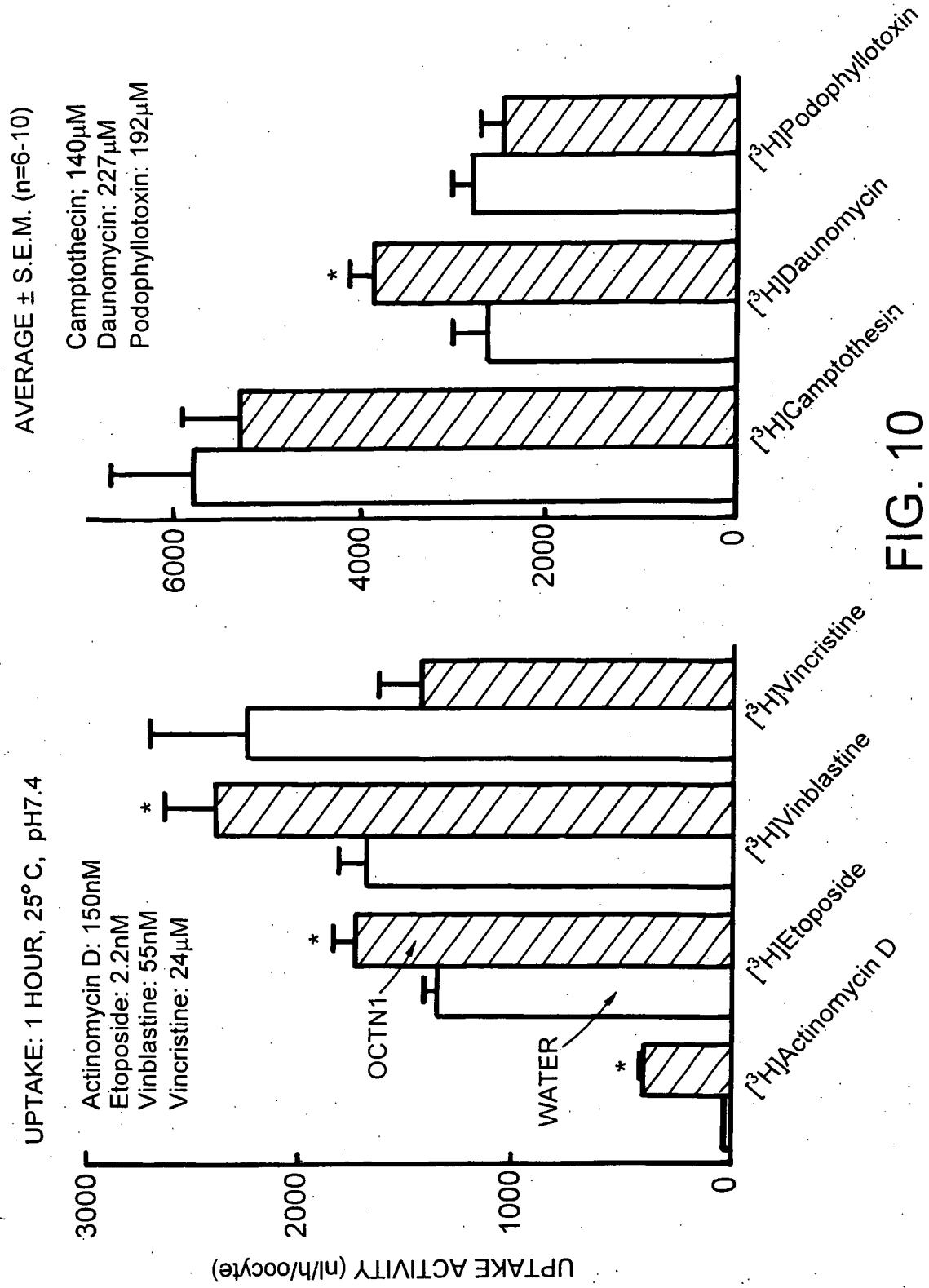
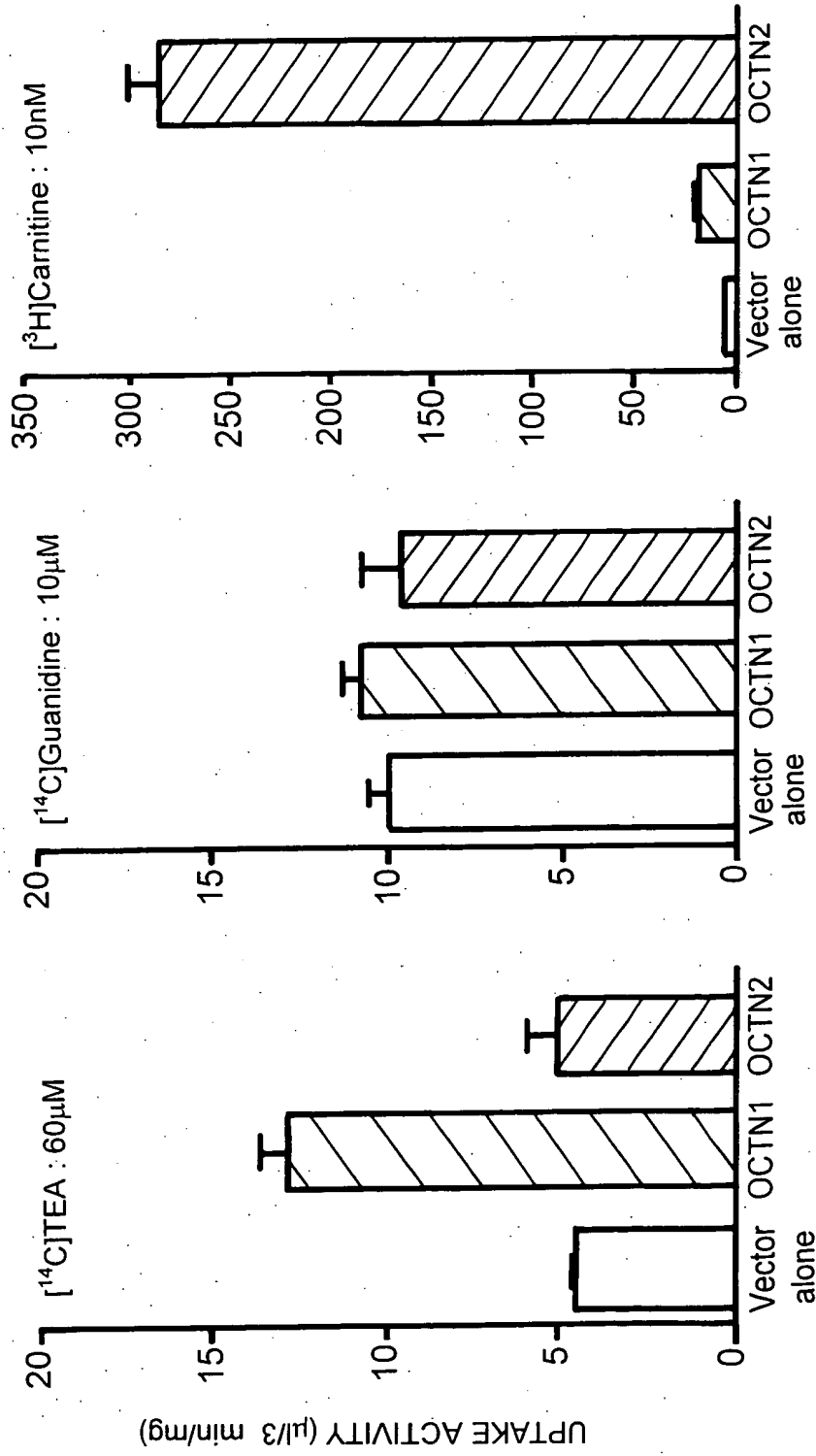


FIG. 10



Uptake: 3 min, 37°C, pH7.4 **FIG. 11** Average ± S.E.M. (n = 3)

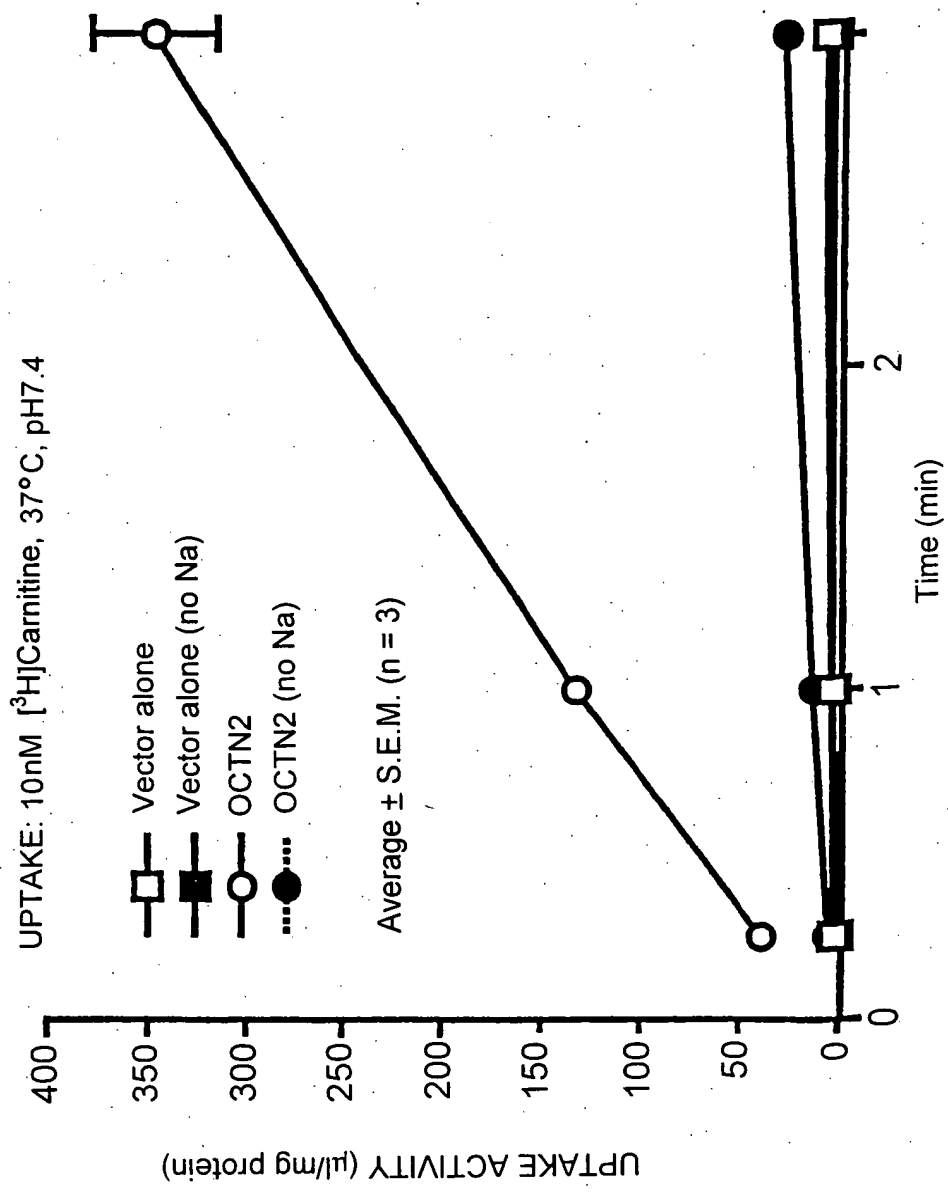


FIG. 12

Embryo Adult Tissues

17 day 15 day 11 day 7 day Testis Kidney Sk. Muscle Liver Lung Spleen Brain Heart No DNA

mouse OCTN 1

mouse OCTN 2

G3PDH

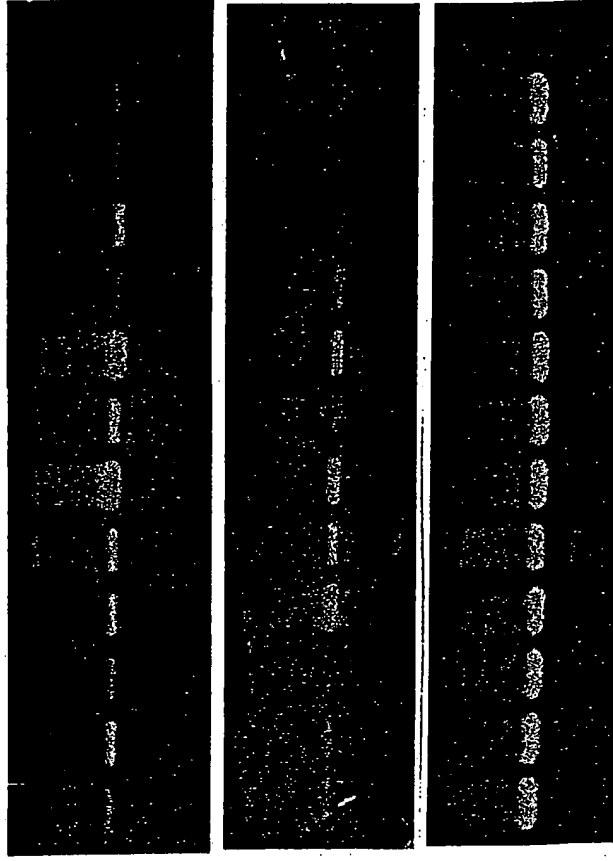


FIG. 13